
February 2005

Rock River Valley Section

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Event

Sense

The Institute of Electrical and Electronic Engineers, Inc.

RRVS Section and IAS Chapter Meeting

Engineers' Week: 787 Dreamliner

When TUESDAY February 22, 2005

Where EIGERlab—From I-90 take Business 20, (East State St. exit), proceed west to Perryville Road, north on Perryville to Springcreek, west on Springcreek across river to Cumberland (Springcreek becomes Auburn west of the Rock River), north on Cumberland (First light past river) to Fulton, west on Fulton to Douglas, north on Douglas and follow signs...<http://www.eigerlab.org/contact.htm>

Agenda

6:00 PM Social

7:00 PM Presentation

Program

The engineering role in developing product solutions for the Boeing 787 Airplane known as the 'Dreamliner' will be discussed. Local aircraft component and system manufacturer Hamilton Sundstrand is supplying four major systems. Advanced technology is key to achieving improved performance, fuel efficiency and greater comfort for passen-



gers. The speaker will discuss how engineers apply technology to address these issues.

Information on the Dreamliner can be located at <http://www.newairplane.com/>

Hamilton Sundstrand is a major supplier to Boeing on the 787. Systems include - Auxiliary power unit, environmental control system, remote power distribution units, electrical power generating and start system, primary power distribution, nitrogen generation, ram air turbine emergency power system, electric motor hydraulic pump subsystem.

Speaker

Clif Jacobs is the Vice President and General Manager of Hamilton Sundstrand Electric Systems which manufactures nearly all of the aircraft main electric power generating systems.

Clif moved to Rockford in 1984 to start his career with Sundstrand, and has enjoyed an association with a wide variety of products and customers, with applications ranging from underwater to aircraft to space. Prior to joining the company, he was a Naval Officer serving with the Fast Attack Nuclear Submarine fleet aboard USS Skipjack.

Meal

Appetizers will be served to all guests at no cost. There will be no dinner.

Note

The meeting is open to the general public. You need not be an IEEE member. Guests are welcome. Call Ginger at 815-394-5696 for questions on this meeting or Engineers' Week in general.